



O T V A R C

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB
JUNE-JULY 80

NEXT MEETING-ELMERS PANCAKE HOUSE-CEDAR HILLS BLVD.
WEDNESDAY JULY 16 at 7:00 PM-6:30 FOR DINNER-SEE YOU THERE.

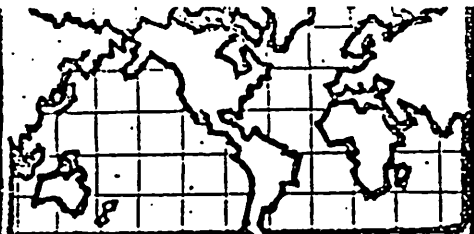
Our June meeting was somewhat chaotic and guess we could expect it with the new meeting place. We are hoping that the dinner this month will be better handled and also that we have a small PA system set up so the back row can hear a little better. All in all, things went pretty well and should be improved this month. We must ask again that you PLEASE stick to the chosen meals and not try to order otherwise. As stated in last months bulletin, you may order a salad or dessert but please no special fruit salads and etc.. If you must have something different, the dinner house should have no objection but it will have to be in the main restaurant and you would have to be early so as not to miss the meeting.....

It was suggested by Kirk, WB7PXZ, that we have a no smoking section. This is certainly a valid suggestion and we might suggest that the back part of the room be used for that purpose. That would put the people, who are not to keen on smoke, near the outside entrance and perhaps the air will be better there. We will try to get a sign made before the August meeting. Not enough time now. SO- you smokers please try to sit up forward. Okay ??

We Welcome the following new members and hope that they jump right in and participate. WELCOME TO: STEVE DAS-N4BOS-----ROY NUNLEY-KH6IPX-----BILL BORDER-K7WTC-----BOB MORRIS-KA7DY0-----AL HERMAN-KA7AHU-----JACK WILLYERD-KA7EHS-----RON MAYWORM-W6TRO-----BEV FLANAGAN-WA6ZTG. As is usual, lets make every attempt to get acquainted with the new members and vice versa. Nice to have you in the club.....

One of our more faithful members just made novice. A big congrats to Jack Smithson, KA7HOJ, who has been a member for some time. Guess all the technical talk sunk in a little. Anybody else upgrade?? Let us know...

Lets don't forget the upcoming NATIONAL ARRL convention in Seattle. The dates are July 26 and July 27. The next one is in Florida and then in Iowa. Be awhile before the next one which is in reach of the Northwest. Best take advantage of the situation and attend. Lot of neat stuff going on and it will be fun. Bring \$\$\$



DX WORLD

Central African Republic

Bill Harrison, TL8WH, is a new one from this country, having received his license in April. Bill can be found on SSB about 14.215 MHz from 2200 UTC working by districts. He has also been reported to have been on CW around 14.061 at 1600 UTC.

John, TL8JM, is another active one from Central African Republic. He can be found daily on CW between 14.019 and 14.025 MHz from 2000 UTC, sometimes as late as 0200 UTC. This may be preceded by one hour of SSB near 14.210 MHz.

Both of these stations should be active for some time and there is a good possibility of expansion into other bands. Both stations may be QSLed via W5RU.

Hams, be ready!

WASHINGTON (UPI) — A "super" magnetic storm with the potential to cause unprecedented electrical blackouts and power outages should hit Earth in the next few years, government scientists said Wednesday, 14 May 1980.

Howard Sargent of the Space Environment Services Center said conditions are ripe for such a storm and the world's power transmission systems appear to be vulnerable.

Sargent explained that magnetic storms, which generally arrive after peaks in the 11-year sunspot cycle, set up currents in power lines that cause overloads and eventually cut off power. The sunspot cycle has just passed its peak, Sargent noted.

The last time Earth experienced a magnetic storm was in 1972. Sargent said the forthcoming one should be more devastating in terms of electrical power outages.

During unusually strong magnetic storms, the bright lights of the aurora, which normally appear in the sky in the polar region, move down into temperate and even tropical climates. During the 1972 magnetic storm, the aurora was spotted as far south as Kentucky. □

Oregon

The Lane County Ham Fair, 19 and 20 July, will be held at the Oregon National Guard Armory, 2515 Centennial Blvd., Eugene, OR.

Registration is \$3.50. You will receive an extra drawing ticket with advance registration.

Displays, lectures, swapshop, transmitter hunt, entertainment.

Snack bar, plenty of free parking for motorhomes and trailers.

Phone or write Sid Strong, 1560 Scandia St., Eugene, OR 97402, (503) 688-7448. □

Niger

You can find 5U7BE daily near 14.255 MHz from 0530 UTC, and also near 28.600 MHz from 1300 UTC. During the 10-meter operation KB8JF is usually on board to assist with the North Americans.

Bhutan

A51CG has been showing daily for CW contacts near 14.016 MHz from 1200 UTC. A51PN is another CW operator who shows on Mondays on 7.002 MHz at 1300 UTC and Tuesdays on 28.075 MHz from 1000 UTC.

As most rare DX is on SSB today, it is refreshing to see rare DX activity brass pounding style.

Both stations handle their own QSL chores via CB address. (That's Callbook — not Citizens Band!)

Johnston Island

Look for Jim Smith, P29JS, who handles a list operation for KH3AA on Johnston Island. This station usually comes up on 14.280 MHz at 0700 UTC on Mondays. Other days at 0700 UTC and again around 1800 UTC he can be found on CW near 14.030 MHz.

Then during the latter part of April K6LPL was on the island operating DXpedition style, giving out contacts to Novices and QRP ops.

The Radio Amateur's Conversation Guide

The Radio Amateur's Conversation Guide, by the Heikinheimo brothers, OH1BR and OH2BAD, now has a source for U.S. and Canadian amateurs.

The Guide contains numerals, phonetics, 147 phrases covering many fields of Amateur Radio (antennas, contests, DXing, equipment, personal information, QSLing and much much more), plus a 450-word dictionary for the internationally minded ham.

Languages — English, German, French, Italian, Spanish, Portuguese, Russian (Cyrillic), Russian (phonetic) and Japanese.

Extra — Swedish and Finnish supplements now available (15 pages) for \$2.50 each or both for \$4.00 when ordered with Guide.

Price — \$9.00 U.S. plus \$1.00 postage.

Orders — W. Gingerich, W6EUF, 2301 Canehill Avenue, Long Beach, CA 90815.

Numbers

The number of FCC Amateur Radio licensees, as of March 1980, totals 367,667. The breakdown is as follows:

Novices	65,115	17.7%
Technicians	69,030	18.8%
Generals	123,035	33.4%
Advanceds	85,807	23.3%
Extras	24,680	6.7% □

Congo Republic

TN8AJ continues to be active from this one when electrical power is available. He normally works North Americans on Wednesdays at 2130 UTC on 21.330 MHz. This is from a list taken by K6AXC or WD9GYY at 2045 UTC. As of this writing the DXCC desk is still waiting for documentation before Congo Republic will be acceptable for DXCC credit.

James R. Fisk, W1HR

December 12, 1934-

April 18, 1980

Jim Fisk, W1HR, editor-in-chief of *Ham Radio* and *Ham Radio Horizons* magazines, died of a heart attack at his home early Friday morning, 18 April. He was 45 years old.

Jim was the founding editor of *Ham Radio*, which began publication in March 1968. A native of Delhi, New York, he attended the University of Richmond in Richmond, Virginia, and attended and taught at Whittier College in Whittier, California.

He was a life member of the ARRL, a member of the Antique Wireless Association, an honorary life member of the Sidney (NY) Amateur Radio Club, and a member of the Nashua (NH) Amateur Radio Club. Jim was an active and avid DXer; he was in the process of building an impressive "superstation" at the time of his death.

Besides Amateur Radio, Jim was also a devoted auto racing buff and an accomplished professional photographer. He belonged to the Sports Car Club of America and the Society of Photographers in Communications (ASMP).

Surviving Jim are his wife, Diane; a son, Michael J. Fisk of Fort Mill, South Carolina; his parents, Mr. and Mrs. James G. Fisk of Peterborough, New Hampshire; and two sisters, Ann E. Harper of San Diego, California, and Jennifer L. Griffith of Chicago, Illinois.

Contributions in Jim's memory may be made to the Jimmy Fund, Statler Hotel, Boston, Massachusetts, or the American Heart Association, 33 Broad Street, Boston, Massachusetts.

When Jim Fisk joined with publisher Skip Tenney to form *Ham Radio Magazine* it was his desire to create a journal of excellence unmatched by any other in the field. Throughout his career Jim kept himself up to date with the state of the art. He was always a demanding worker, and the rewards and benefits of his leadership were great.

Jim's friendship and guidance were invaluable to all. His loss will be felt by the entire Amateur Radio world. □

A NEAT GUY!!



NEWS

BULLETIN



RAFFLE-RAFFLE-RAFFLE

Once again we had a great raffle and we can thank the WATT SHOP and PORTLAND RADIO for all the super nice goodies. In case you had your head in the sand, Joe. of PR was once again in attendance at our meeting. Very nice to see you again Joe and very much appreciate the donations. How about seeing your name on the membership roster??? How about that gang?? We understand that Dan of the Watt Shop is a moon bounce expert and maybe we can talk him into telling us all about that phase of this crazy habby.....

The only other news this month about any of our members is that AI7G got himself a new used 901 DM. Lucky guy!! He said he reads the first few sentences of this rag and if he doesn't see his call he files it. Well, maybe somebody will tell him he got his call in the middle of it.

Latest word is that the jackets will be ready by our meeting so if you charged it, better bring some loot. Hope nobody changed their call sign. !!!

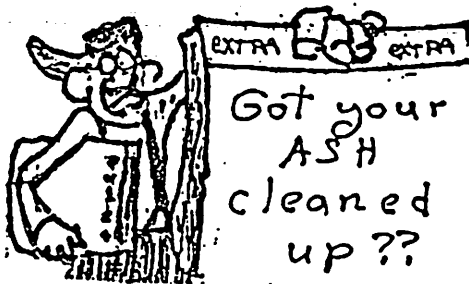
The dinner menu for the meeting will be a Ham dinner and the sandwich option will be a Cheeseburger Basket. Sure hope that meets with the approval of all. Maybe some?

There have been a few faces that have'nt been seen for awhile. Anybody seen Mac, W7KBR or Bill, W7GUH??? The writer has made a terrible error!! Lowell Sheelar, W7NDH, was left off the roster since the April issue and not sure he has been on the mailing list. Good grief. Most humble apologies to you Lowell. May I be hung from my tower by the big toe. If you want back copies of the newsletter, let me know. Don't know why anybody would but will be glad to oblige.....

PICNIC--AUGUST 23-24--CAMPOUT

The club (members and family only please) are invited to a picnic and or campout at the site of last years Field Day. More commonly known as Moo Meadow. This will be a no-host affair, meaning bring your own food and drink. Cooking facilities are furnished as is water, an outhouse, camp area lighting, picnic tables, horseshoes, badminton gear, a couple of dipqles and a 2 meter antenna. There is a creek for the kids to paddle around in and innertubes for floating. Anyone who is inclined to camp and has a tent please feel free to stay the weekend. Anyone who is interested please contact Al, WB7SIC, ASAP....

REMINDER---Don't forget the barn dance in September!! If all goes according to plan it will be on Saturday the 6 th. Perhaps a pot-luck before the dance. Plans are being formulated and while we are on the subject, does anyone know the whereabouts of a square dance caller??? If so, please let us know as soon as possible.....



Brief visit with the OM — Hiram Percy Maxim

Art Zavarella, W1KK

It is, of course, well known and documented that Hiram Percy Maxim, W1AW, started the ARRL and QST with his young protegee college student, Tuska, around 1915.

It may not be so well known that, in my estimation, he and Tuska broke away from the Hartford Radio Club so the two of them, along with Dave Moore, the 21-year-old, then-president of the club, could proceed on a national scale with an organization that included public service as a basic cornerstone in its structure.

It is told that the service and relay concepts probably originated in an incident involving Hampden County (MA): An intermediate Windsor Locks Station relayed a message with his spark wireless from Maxim in Hartford to a Springfield amateur who reportedly had a hard-to-come-by Audion for sale. This relay service did the trick. Maxim got the tube! The word "relay," indicating use of privately owned hobby equipment for the benefit of others, was adopted in the official non-profit corporate name; relays have remained, through the years, one of hamdom's principal survival assets, even to its present-day version of automatic relay, the 2-meter repeater.

One of the things I had admired most in HPM's organizational genius was the high standards which he set for himself and fellow amateurs as embodied in the six requirements of The Amateur's Code: to be courteous, loyal, progressive, friendly, balanced, patriotic.

He sure was courteous and friendly to me, when as a schoolboy some 55 years ago I rang the door bell to the side entrance of his home in Hartford for an unannounced visit to W1AW. As I look back on it now, I must have had a lot of nerve to go on my bike from an immigrant's family home in the meadows of East Hartford to the home of a famous automotive pioneer off fashionable Farmington Avenue in Hartford.

At that time he was indeed one of the Insurance City's leading citizens, married to the daughter of Maryland's governor, but you'd never know it in the way he invited me in to see "Old Betsy," his rotary spark rig. I used to hear it on my crystal set and ear-phones in the cellar of our house way across the city and across the river, maybe 10 miles distant. Although the details are hazy now, it must have been an inspiring visit that urged me to stay on in school and pursue science, unlike most of my neighborhood chums.

When it comes to being balanced, it's hard to think of anyone more balanced than HPM toward his hobby, never letting it interfere with duties to his family, business or community. The family movies, which he also pioneered and relished, show him enjoying life with the youngsters, his unique and appealing personality, kindness, sincerity and love of life showing through.

He had many patents from his horseless carriage engineering career with Pope Hartford, and invented noise silencers that would nowadays enshrine him as an environmentalist fighting noise pollution.

As regards community and patriotism, it brings to mind the dedication of the municipal airport, Brainerd Field, in Hartford. The reason I went was because I read in the papers HPM would officiate; he was chairman of the Hartford Aviation Commission.

His patriotism shone brilliantly at the outbreak of WWI. Not only did his silencer company convert wholly to munitions production, but as ARRL president he saw to it the Navy got its first quota of 500 trained operators at once. Later 2,000 more operators were needed; largely through HPM's efforts and organization, they were immediately enlisted.

Such is the stuff of which our hobby's heritage originated. Quoting from the 50th anniversary message in 1964 of then League President Herbert Hoover, Jr., W6ZH, "We must be everlastingly grateful to those old timers for handing down to us these traditions of public service, technical progress and operating skill. Without them, ham radio would have perished long ago."

— Zero Beat, Hampden Co. Radio Ass'n. □

Class size

Many clubs around the country conduct Novice and General classes. Sometimes turnout is disappointing.

The Baltimore Amateur Radio Club had only six students last fall for the Novice class, but they did not give up. They proceeded to line up eight volunteer instructors and ambitiously advertise for the spring classes. What happened was reported by Norm Kushnick, WA3BPC, in the club paper, *The Modulator*:

The first night of class it started to snow heavily about 5:00 p.m., but since it was too late to change plans, he went ahead. At 7:30 there were 35 people in the room, half interested in Novice and the others in Tech/General.

Automatic scan module for the FT-207R hand-held

Users of the Yaesu FT-207R can now automatically scan both the four memory channels and the entire band without pushing the "up" or "down" buttons each time the carrier drops off. This missing feature in the hand-held is much desired in both Europe and North America where large numbers of repeaters are located.

An easy installation of the AS-1 module requires rewiring the "busy" scan switch and installing four wires. This is about a 15-minute job.

Heat shrink and all necessary wires are provided with the AS-1. Complete step-by-step instructions are included with each module.

The only sacrifice is you can no longer scan for a "clear" channel. The "clear" position becomes the normal mode of operation, which was the "busy" position of the switch. The "busy" position becomes the automatic scan mode. Once switched into this mode the unit will pause for .5 seconds after the carrier disappears or when squelch occurs. Operation is much the same as a conventional pocket scan receiver. The scan can be disabled by momentarily pressing the push-to-talk button.

Once in the scan mode you can either scan the memory channels or the band and hear all the action without ever touching the buttons again.

The AS-1 is available from Engineering Consulting Service, PO Box 94355, Richmond, BC, Canada V6Y 2A8. Send \$25 check or money order and the AS-1 will be shipped prepaid. □

The second meeting brought the class size to 51, 28 for the Novice group, and 23 for Tech/General study. Needless to say, all the instructors were astounded!

On the third night, due to more snow and normal attrition, they had 35, 22 for Novice and 13 for Tech/General, and Norm was prepared with a questionnaire. His results are very interesting!

They had 28 males and seven females. The average age was 36, with a range from 12 to 67. One of the 67-year-olds reported he has been interested in Amateur Radio for 55 years. Two other students reported interest in Amateur Radio for over 25 years.

A very interesting result occurred to the question, "How did you find out about the class?" Twenty-four of the 35 heard of the classes from friends or relatives; only six saw the ad in the paper and even less heard the announcements on radio and TV.

Obviously, the best publicity comes by word of mouth, especially by club members.

Interesting also was the fact 15 of the 35 indicated they had, at some time, operated on the Citizens Band, which stimulated their interest in radio and the challenge of Amateur Radio. Five had become interested through listening to shortwave radio receivers. Most also had a friend or relative who was a ham.

I think we can conclude from Norm's questionnaire that active publicity by club members is the best way to fill up your training classes.

BARN DANCE
BEAN FEED
SEPT. 6 !!

FIELD DAY 1980



Well now, to coin a phrase, from all reports our Field Day was a success. Contest-wise we had 1800 contacts and over 6000 points. If that total were applied to last years contest we would have been SECOND in our class in the whole USA...How about that!!! Even more important, word is that the social side of the event was also a success. For those of you who could not get the time to assist in the function of setting up and taking down all the rigamorole, you owe a big thanks to several people. The primary contributors are as follows:

Katy LaPay for a GREAT job as leader of the food committee.
John LaPay for his expertise in tower erecting-plus gear..
Bill Gochenour for transporting of the towers and etc..
John Webb (a new member) for the loan of his antenna.
John Reed for his assistance in setting up.
George Morgan for the use of his neat generator.
Gary May for his assistance in taking down Johns antenna.
Bob Orr for the loan of his antenna and his nice rig.
Jim Jones for getting us all the batteries-charged and uncghd.
Tom Wing for putting together the dipoles, testing, 2 rigs,
and a lot of late nite planning.....
Warren Knight for getting us the great site, heading up the

Ham operators to have practice out Rock Creek

The Oregon-Thalatin Valley Amateur Radio Club will stage an emergency practice outing in the Rock Creek area from 10:00 am June 28 to 2:00 pm June 29. It was announced this week.

The purpose of the Field Day sponsored by the American Radio Relay League for many years is to give radio amateurs practice for operation under emergency conditions.

The amateur radio service was begun in the early 1900's and is dedicated to serving the public in the event of local or national emergencies. Amateurs also are active in public assistance under non-emergency conditions. Such as assisting in bike races, marathons, boat races, parades and many other functions.

Amateurs, either singly or as a group, compete for the maximum number of radio contacts over a period of 24 hours.

These contacts consist of stations throughout the world.

Any individual interested in observing the operations are invited to attend the event. The outing is located on Rock Creek road and is 6.3 miles from Vernonia and a sign will be posted on the road to direct participants and observers to the site.

parking, clean-up and taking club pics. Doug McMurdo for taking charge of the whole thing, using his call and etc...

For those of you who have little to do with a field day operation, please be advised that there is a whole bunch of work involved and especially for a club of our size. Two or three people, including yours truly, spent over 20 hours on the event. Almost forgot-Maria Roberts got us the publicity in the Vernonia newspaper. There are others who did a good job and space is short but one other big thanks to the ladies who worked with Katy on the food, VERY much appreciated. Understand that John AND Warren caught some trout. Fishing was promised but how about swimming? Any brave souls?? Heard that Neil, KLA, was brave enough to go without shoes in a cow pasture. Wonder if he got his toenails clean yet?? Boy, thats a trip!! Some criticisms were made but if you were not a contributor how can you complain? Tough to satisfy the masses.. The novice station was late in setting up but some gear that was expected was not there. Did get it up though and guess Gordon gets the award for fastest novice (20 WPM) Hmmmm.

Forgot-Russ Rauch loaned us his tower for Field Day-thanks Russ...

There are others who contributed but as yours truly was not able to attend it is difficult to pursue it any farther. All of the personal time and work is very much appreciated by your officers and we hope by you... In appreciation of the site use, we are going to get the property owners an electric WOK. Not sure what the attraction is but they had been talking to one of the attendees and that info came out. Very little to pay for the use of such an attractive site.

Would you believe that some of our red hot ops left their station to get dinner and didn't have anyone to replace them. Wonder what our score might have been had we really worked hard at operating?? Not being critical, just giving food for thought to those who are interested in final numbers!!!

We are very close to getting a post office box and with it we will obtain an ARRL affiliation. This may seem of small spuds to most but with our ham class activities it should be a real benefit. Teaching aids will be much appreciated by our tutors and will help to enhance our club.

Anyone interested in autopatch on 2 meters? If so you might try 04-64. Our fearless field day leader and local SCM conspired to set up a very effective autopatch. Identify with WR7AOA, punch up a star and dial your number. No lag, just a very simple process and your party is on the air. DO NOT forget to sign off with the repeater and it would be a good idea to state the time and name of the party contacted. This is in good practice with the FCC rules. Don't forget to punch a # for sign off.....

Not much more to add. It has been a very busy month what with field day and all but very enjoyable.. Really super to see the club grow so well and the hope is that we can keep things interesting enough to maintain it all. Tough to keep up with all of the new members and that is very disturbing!!! Perhaps we should have a good old fashioned round robin to get better acquainted. Been a long time since we had one.

Very best of 73 and 88 to all and hope to see you Wednesday the 16th.

WB7SIC-editor WB7VTG-copy N7ASB-mailing

PROGRAM—PROGRAM

AS PROMISED A COUPLE OF MONTHS AGO, AN ATTEMPT WOULD BE MADE TO OBTAIN A DX-PEDITION PROGRAM. WELL, WE GOT ONE. MR. PAUL STRAIT OF NEWBERG IS GOING TO DO HIS THING AT OUR JULY MEETING. MR. STRAIT CONSTRUCTED HIS OWN SAILING SHIP AND WENT TO SEA. HE SPENT SEVERAL DAYS ON PITCAIRN ISLAND AND THAT SHOULD BE INTERESTING ENOUGH BY ITSELF. ON LEAVING PITCAIRN, HIS BOAT STRUCK A REEF AND WENT DOWN. LUCKILY, HAM RADIO WAS HIS SALVATION AND A RESCUE WAS EFFECTED.... ANYWAY, THATS HIS STORY AND WE WILL LET HIM TELL IT LIKE IT WAS. HE HAS A SLIDE STORY, IN SPITE OF LOSING A LOT OF FILM.

THIS SHOULD BE VERY INTERESTING AND LETS HOPE THE MEMBERSHIP TURNS OUT IN FORCE TO WELCOME MR. STRAIT. PLEASE TRY TO BE ON TIME AND GET THE DINNER OUT OF THE WAY. LOOK FORWARD TO SEEING YOU ALL. MIGHT BE A GOOD ONE TO BRING THE WIFE TO?????

CU!!